RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 10/511,698
Source: PCT
Date Processed by STIC: 11/2/04

ENTERED

CRF Errors Edited by the STIC Systems Branch

Serial Number: **10 511,698** : CRF Edit Date: **1-2-04**
Edited by: **TCH**

Realigned nucleic acid/amino acid numbers/text in cases where the sequence text "wrapped" to the next line

_____ Corrected the SEQ ID NO. Sequence numbers edited were:

_____

_____ Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID
NO's edited:

_____

_____ Deleted: ___ invalid beginning/end-of-file text ; ___ page numbers

_____ Inserted mandatory headings/numeric identifiers, specifically:

_____

_____ Moved responses to same line as heading/numeric identifier, specifically:

_____

✓ Other: **for Seq ID #117, corrected**
Numeric identifier 24007 to 117.

Revised 09/09/2003

BEST AVAILABLE COPY

RAW SEQUENCE LISTING   DATE: 11/02/2004
PATENT APPLICATION: US/10/511,698   TIME: 14:17:02

Input Set : **A:\pto.kd.txt**
Output Set: **N:\CRF4\11022004\J511698.raw**

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 3 <110> APPLICANT: MTM Laboratories AG
 4        von Knebel-Doeberitz, Magnus
 5        Gebert, Johannes
 6        Linnebacher, Michael
 7        Woerner, Stefan
 8        Ridder, Ruediger
 9        Bork, Peer
10        Yuan, Yan Ping
12 <120> TITLE OF INVENTION: Compounds and Methods Useful for Detection and Treatment of
13        Cancer
15 <130> FILE REFERENCE: 03528.0145.00US00
17 <140> CURRENT APPLICATION NUMBER: US/10/511,698
17 <141> CURRENT FILING DATE: 2004-10-14
19 <150> PRIOR APPLICATION NUMBER: PCT/EP 03/04083
20 <151> PRIOR FILING DATE: 2003-04-17
22 <150> PRIOR APPLICATION NUMBER: EP 02 008 773.0
23 <151> PRIOR FILING DATE: 2002-04-18
25 <150> PRIOR APPLICATION NUMBER: EP 02 008 771.4
26 <151> PRIOR FILING DATE: 2002-04-18
28 <150> PRIOR APPLICATION NUMBER: EP 02 008 774.8
29 <151> PRIOR FILING DATE: 2002-04-18
31 <160> NUMBER OF SEQ ID NOS: 117
33 <170> SOFTWARE: PatentIn version 3.2
37 <210> SEQ ID NO: 1
38 <211> LENGTH: 320
39 <212> TYPE: PRT
40 <213> ORGANISM: Artificial Sequence
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43 <223> OTHER INFORMATION: Description of Artificial Sequence: polypeptides
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51                  20                  25                  30
53 Trp Asn Ala Leu Pro Pro Gln Pro Leu Ala Phe Ser Glu Val Glu Arg
54              35                  40                  45
56 Ile Asn Lys Asn Ile Arg Thr Ser Ile Ile Asp Ala Val Glu Leu Ala
57          50                  55                  60
59 Lys Asp His Ser Asp Leu Ser Arg Leu Thr Glu Leu Ser Leu Arg Arg
60  65                  70                  75                  80
62 Arg Gln Met Leu Leu Leu Glu Thr Leu Lys Val Lys Gln Thr Ile Leu
63                  85                  90                  95
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C--> 17 indicated at left margin near line 17

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 66         100             105                 110
 68 Trp Leu Gln His Thr Glu Thr Lys Ala Lys Leu His His Leu Gln Ser
 69         115             120                 125
 71 Leu Leu Leu Thr Met Leu Val Gly Pro Leu Ile Ala Ile Ile Asn Ser
 72     130             135                 140
 74 Pro Gly Lys Glu Glu Leu Gln Glu Asp Gly Ala Lys Met Leu Tyr Ala
 75 145             150                 155                 160
 77 Glu Phe Gln Arg Val Lys Ala Gln Thr Arg Leu Gly Thr Arg Leu Asp
 78             165                 170                 175
 80 Leu Asp Thr Ala His Ile Phe Cys Gln Trp Gln Ser Cys Leu Gln Met
 81             180                 185                 190
 83 Gly Met Tyr Leu Asn Gln Leu Leu Ser Thr Pro Leu Pro Glu Pro Asp
 84         195                 200                 205
 86 Leu Thr Arg Leu Tyr Ser Gly Ser Leu Val His Gly Leu Cys Gln Gln
 87     210             215                 220
 89 Leu Leu Ala Ser Thr Ser Val Glu Ser Leu Leu Ser Ile Cys Pro Glu
 90 225             230                 235                 240
 92 Ala Lys Gln Leu Tyr Glu Tyr Leu Phe Asn Ala Thr Arg Ser Tyr Ala
 93             245                 250                 255
 95 Pro Ala Glu Ile Phe Leu Pro Lys Gly Arg Ser Asn Ser Lys Lys Lys
 96             260                 265                 270
 98 Arg Gln Lys Lys Gln Asn Thr Ser Cys Ser Lys Asn Arg Gly Arg Thr
 99         275                 280                 285
101 Thr Ala His Thr Lys Cys Trp Tyr Glu Gly Asn Asn Arg Phe Gly Leu
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125         20                  25                  30
127 Trp Asn Ala Leu Pro Pro Gln Pro Leu Ala Phe Ser Glu Val Glu Arg
128         35                  40                  45
130 Ile Asn Lys Asn Ile Arg Thr Ser Ile Ile Asp Ala Val Glu Leu Ala
131     50                  55                  60
133 Lys Asp His Ser Asp Leu Ser Arg Leu Thr Glu Leu Ser Leu Arg Arg
134 65              70                  75                  80
136 Arg Gln Met Leu Leu Leu Glu Thr Leu Lys Val Lys Gln Thr Ile Leu
137             85                  90                  95
139 Glu Pro Ile Pro Thr Ser Leu Lys Leu Pro Ile Ala Val Ser Cys Tyr
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140              100              105              110
142 Trp Leu Gln His Thr Glu Thr Lys Ala Lys Leu His His Leu Gln Ser
143          115              120              125
145 Leu Leu Leu Thr Met Leu Val Gly Pro Leu Ile Ala Ile Ile Asn Ser
146      130              135              140
148 Pro Gly Lys Glu Glu Leu Gln Glu Asp Gly Ala Lys Met Leu Tyr Ala
149 145              150              155              160
151 Glu Phe Gln Arg Val Lys Ala Gln Thr Arg Leu Gly Thr Arg Leu Asp
152              165              170              175
154 Leu Asp Thr Ala His Ile Phe Cys Gln Trp Gln Ser Cys Leu Gln Met
155              180              185              190
157 Gly Met Tyr Leu Asn Gln Leu Leu Ser Thr Pro Leu Pro Glu Pro Asp
158      195              200              205
160 Leu Thr Arg Leu Tyr Ser Gly Ser Leu Val His Gly Leu Cys Gln Gln
161      210              215              220
163 Leu Leu Ala Ser Thr Ser Val Glu Ser Leu Leu Ser Ile Cys Pro Glu
164 225              230              235              240
166 Ala Lys Gln Leu Tyr Glu Tyr Leu Phe Asn Ala Thr Arg Ser Tyr Ala
167              245              250              255
169 Pro Ala Glu Ile Phe Leu Pro Lys Gly Arg Ser Asn Ser Lys Lys Lys
170              260              265              270
172 Gly Arg Arg Asn Arg Ile Pro Ala Val Leu Arg Thr Glu Gly Glu Pro
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185 <213> ORGANISM: Artificial Sequence
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188 <223> OTHER INFORMATION: Description of Artificial Sequence: polypeptides
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191 <400> SEQUENCE: 3
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195 Ile Tyr Gly Leu Leu Leu Asn Ala Ser Pro His Leu Asp Lys Thr Ser
196              20               25               30
198 Trp Asn Ala Leu Pro Pro Gln Pro Leu Ala Phe Ser Glu Val Glu Arg
199      35               40               45
201 Ile Asn Lys Asn Ile Arg Thr Ser Ile Ile Asp Ala Val Glu Leu Ala
202      50               55               60
204 Lys Asp His Ser Asp Leu Ser Arg Leu Thr Glu Leu Ser Leu Arg Arg
205 65               70               75               80
207 Arg Gln Met Leu Leu Leu Glu Thr Leu Lys Val Lys Gln Thr Ile Leu
208              85               90               95
210 Glu Pro Ile Pro Thr Ser Leu Lys Leu Pro Ile Ala Val Ser Cys Tyr
211              100              105              110
213 Trp Leu Gln His Thr Glu Thr Lys Ala Lys Leu His His Leu Gln Ser
214      115              120              125
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216 Leu Leu Leu Thr Met Leu Val Gly Pro Leu Ile Ala Ile Ile Asn Ser
217     130             135                 140
219 Pro Gly Lys Glu Glu Leu Gln Glu Asp Gly Ala Lys Met Leu Tyr Ala
220 145             150                 155                 160
222 Glu Phe Gln Arg Val Lys Ala Gln Thr Arg Leu Gly Thr Arg Leu Asp
223             165                 170                 175
225 Leu Asp Thr Ala His Ile Phe Cys Gln Trp Gln Ser Cys Leu Gln Met
226             180                 185                 190
228 Gly Met Tyr Leu Asn Gln Leu Leu Ser Thr Pro Leu Pro Glu Pro Asp
229         195             200                 205
231 Leu Thr Arg Leu Tyr Ser Gly Ser Leu Val His Gly Leu Cys Gln Gln
232     210             215                 220
234 Leu Leu Ala Ser Thr Ser Val Glu Ser Leu Leu Ser Ile Cys Pro Glu
235 225             230                 235                 240
237 Ala Lys Gln Leu Tyr Glu Tyr Leu Phe Asn Ala Thr Arg Ser Tyr Ala
238             245                 250                 255
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244         275             280
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253 <223> OTHER INFORMATION: Description of Artificial Sequence: polypeptides
254       encoded by genes with coding microsatellites
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261             20                  25                  30
263 Gly Arg Phe His Ile Lys Leu Lys Gly Leu His Phe Leu Phe Ser Phe
264         35                  40                  45
266 Leu Phe Phe Phe Phe Glu Thr Gln Ser His Ser Val Thr Arg Leu Glu
267     50                  55                  60
269 Cys Ser Gly Thr Ile Ser Ala His Cys Asn Leu Cys Leu Pro Gly Ser
270 65                  70                  75                  80
272 Ser Asn Ser Pro Ala Ser Ala Ser Arg Val Ala Gly Thr Ala Gly Thr
273             85                  90                  95
275 Cys Arg Arg Ala Gln Leu Ile Phe Val Phe Leu Ala Glu Met Gly Phe
276             100                 105                 110
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279         115                 120                 125
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282     130             135
285 <210> SEQ ID NO: 5
286 <211> LENGTH: 101
287 <212> TYPE: PRT
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RAW SEQUENCE LISTING   DATE: 11/02/2004
PATENT APPLICATION: US/10/511,698 TIME: 14:17:02

Input Set : **A:\pto.kd.txt**
Output Set: **N:\CRF4\11022004\J511698.raw**

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299            20                  25                  30
301 Gly Arg Phe His Ile Lys Leu Lys Gly Leu His Phe Leu Phe Ser Phe
302            35                  40                  45
304 Leu Phe Phe Phe Leu Arg His Ser Leu Thr Leu Ser Pro Gly Trp Ser
305      50                  55                  60
307 Ala Val Ala Arg Ser Arg Leu Thr Ala Thr Ser Ala Ser Gln Val Gln
308  65                  70                  75                  80
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311                  85                  90                  95
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314                100
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331            20                  25                  30
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336 Leu Phe Phe Phe Phe
337      50
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354            20                  25                  30
356 Arg Leu Lys Arg Ala Val Ser Glu His Gln Leu Leu His Asp Lys Gly
357            35                  40                  45
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VERIFICATION SUMMARY   DATE: 11/02/2004
PATENT APPLICATION: **US/10/511,698**   TIME: 14:17:03

Input Set : **A:\pto.kd.txt**
Output Set: **N:\CRF4\11022004\J511698.raw**

L:17 M:270 C: Current Application Number differs, Missing <140> CURRENT APPLICATION NUMBER: is Added.